

**ePTFE SMALL CALIBER VASCULAR GRAFTS WITH SIGNIFICANT PATENCY  
ENHANCEMENT VIA A SURFACE COATING WHICH CONTAINS COVALENTLY  
BONDED BIO-ACTIVE AGENTS**

**ABSTRACT OF THE INVENTION**

**[00075]** Disclosed are implantable medical devices with enhanced patency. Expanded polytetrafluoroethylene small caliber vascular grafts coated with polymer bound bio-active agents that exhibit enhanced patency are disclosed. The polymer bound bio-active agents can include anti-thrombogenic agents, antibiotics, antibacterial agents and antiviral agents. Methods of preparing same are also provided.